Typhoon Theatre

Advanced 5.1 PCI Audio Accelerator

USER'S GUIDE

Dear Customer:

Congratulations on the purchase of your Typhoon Theatre PCI audio accelerator. We all want to express our sincere gratitude for your decision to purchase our product. Our commitment is to provide a product that is easy to install and easy to use.

You can be assured that your new product is made from the latest state-of-the-art components and that it has also gone through the most rigorous testing and quality assurance procedures in the industry.

With an emphasis on products that revolutionize the way people interact with the new technologies around us, we continually introduce integrated solutions that enable users to take full advantage of their multimedia experience. Our ever-expanding product line covers the entire multimedia spectrum. Look to us to as the leader of providing media products ranging from sound and graphics cards, to DVD and CD-ROM drives, and even to digital imaging and mp3 audio products.

We hope you enjoy using your new product, and look forward to earning your business in the coming years.

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Warranty:	I/OMAGIC Corporation warrants that the products it sells will be free from defects in materials and workmanship. Consult the warranty card for complete warranty information.

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

FCC Warning Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can emit radio frequency energy and, if not installed or used in accordance with the instructions, may cause interference to radio communications. However, television reception interference can be determined by turning the equipment off and on. The user is encouraged to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

Caution

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Europe

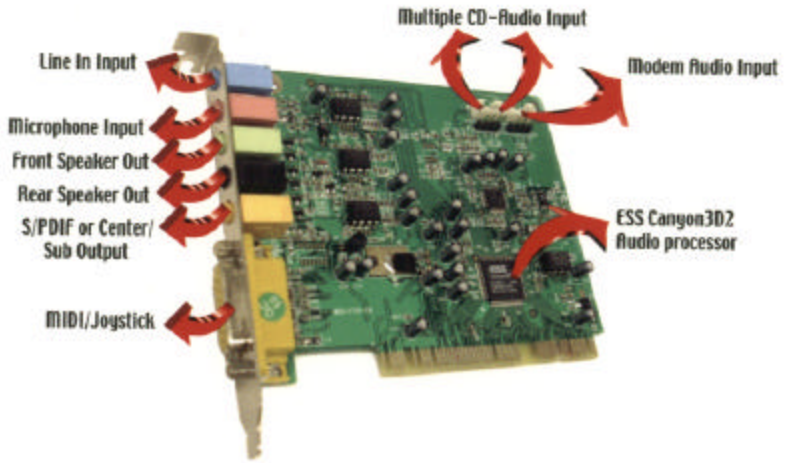
CE "The drive is in conformity with the EMC directive and low-voltage directive."

Table Of Contents

Introduction **5**
Features **5**
Specification **6**
Contents Of Your Package **7**
System Requirements **7**
Hardware Installation **8**
Prepare Your Computer for Installation 8
Disable On-Board Audio 9
Find A Vacant Expansion Slot 9
Installing The Typhoon Theatre 10
Installing The CD-ROM Audio Cable 12
Joystick Connector 12
Complete the Installation 12
Driver Installation **13**
Windows XP 13
Windows 2000 17
Windows Me 22
Windows 98 26
Windows 95 30
Windows NT 34
Audio Functions **36**
Software Installation **38**
Power DVD 38
ClickRadio 41
Gamespy Arcade 42
Atomix MP3 43
PCDJ 44
Cosmi Games 45
Yamaha Soft Synthesizer S-YXG50 47
Troubleshooting **48**
Limited Warranty **52**
Contacting I/OMagic **53**
Register Your I/OMagic Product **53**

Introduction

Congratulations on purchasing the Typhoon Theatre PCI audio accelerator. You have just acquired a sound card based on the most advanced 3D PCI audio accelerator available today! The Typhoon Theatre PCI audio accelerator sound card is a high performance 5.1 speaker PCI audio accelerator that combines the most compelling 3D, quadraphonic and music synthesis technologies available with full-featured digital outputs and a hardware equalizer. The Typhoon Theatre PCI audio accelerator is powered by one of the most powerful audio accelerators available, the ESS Canyon 3D2 which provides unrivaled features, performance, and audio quality. Bring the home theater experience to your PC!



Features

- Powerful Canyon 3D2 DSP accelerates demanding PC gaming.
- Engulfing 5.1 Speaker output immerses you in sound.
- 64 accelerated DirectSound 3D streams.
- Hardware speaker equalization.
- S/PDIF Digital Output for Dolby Digital AC-3/PCM content.
- Surround Sound playback of MP3's, Internet Audio, CD's, and DVD's.
- Sensaura 3D Positional Audio Technology.
- True Quadraphonic Sound.

Specification

Audio Accelerator / Digital Signal Processor:
- ESS Canyon3D-2 DSP for Unmatched 3D Audio Acceleration

Codecs:
- AC 97 CODEC

Bus Interface:
- 32 bit PCI Bus Master
- PCI 2.1 and PCI 2.2 Compliant

Game MIDI Interface:
- MPU-401 UART Support

Digital Audio Support:
- Up to 96 Accelerated 3D Audio Streams
- A3D 1.0, EAX 1.0, EAX 2.0, I3DL2, and DirectSound3D compatible
- Full-duplex, digital recording and playback at 48 kHz
- DirectInput device support
- 5 band hardware equalization
- S/PDIF Digital Output

Music Synthesis:
- Yamaha S-YXG50 Soft synthesizer
- Tone Generation: Wave Table
- Number of Voices: 676 Melody Voices + 42 SFX Voices+21 Drum/SFXKits
- Multi-timbral Parts: 16
- Maximum Polyphony: 128 notes
- Effect Processor: 8 Chorus + 8 Reverb + 36 Variation Effect
- Sampling Rate: 44/ 22/ 11kHz
- Digital Dynamic Filter is included
- Direct Sound (R) Support
- GM, XG compatible

Audio Specifications:
- Exceeds PC 99 and PC2001 audio requirements
- Frequency Response: 20Hz-20kHz

Contents Of Your Package

- Typhoon Theatre Audio Accelerator
- Driver CD
- Installation Guide
- Warranty Card
- CD Audio Cable
- PowerDVD Software CD

System Requirements

- Pentium 266Mhz or faster CPU
- Windows XP/2000/Me/98/95/Me/NT4
- Intel or Compatible Motherboard
- 16Mb RAM
- 40Mb Hard Drive Space
- CD-ROM drive for driver installation
- One Available PCI Slot
- Powered Speakers Or Headphones

Hardware Installation

Prepare Your Computer for Installation

1	Prior to working on your computer, make sure the power to the computer and any related equipment is turned off.
2	While the cables are still attached to your computer, you may want to label them so you are sure to reconnect them properly when the installation process is complete.
3	Disconnect all cables and connectors from the back of your computer. Some cables may be attached to their connectors by small screws. Make sure to unscrew any that are secured.
4	You are now ready to remove the cover from your computer. Generally, there are several screws that must be removed to take the computer cover off. Place the screws in a container so they do not get lost. If you are working on a tower-style computer, you may want to lay it on its side with the open side facing up.

Figure 1

Note:
Each manufacturer's computer case may be different. If you are unsure how to remove the case cover, consult your computer owner's guide.

Disable On-Board Audio

The Typhoon Theatre PCI audio accelerator replaces your existing audio card. If your system has built-in, "on-board" audio (that is, the audio chip is mounted directly on the computer's motherboard), you will need to disable it. Consult your system documentation for information on how to do this. If this is done via a jumper, you can disable the on-board audio later (see "Find A Vacant Expansion Slot"). If it is done via software (usually in the system BIOS setup), however, you will need to do this after you install the Typhoon Theatre PCI audio accelerator.

Note:	If your system motherboard has a built-in sound device, you may experience difficulties in disabling it. Failure to disable the sound device may create a conflict with your Typhoon Theatre PCI audio accelerator causing neither to work. Refer to your motherboard and BIOS documentation for instructions on disabling the built-in device.

Find A Vacant Expansion Slot

If this is the first time you have opened up your computer, take a moment to familiarize yourself with the layout of the inside of the computer. Notice that there are different types of expansion slots.

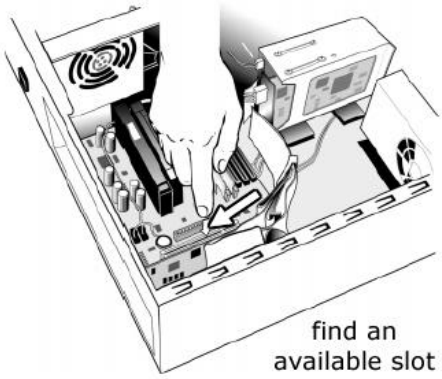


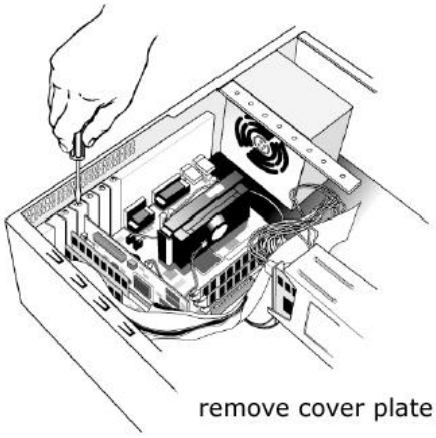
Figure 2

The Typhoon Theatre PCI audio accelerator card fits in an available PCI slot

1	Remove any existing Audio-type sound adapters in the system. If your system has on-board audio that must be disabled via hardware (for example, by using jumpers), do so now.

2	Identify the vacant PCI expansion slot where you want to install your sound card.

3	If the slot is not the one from which you removed your old sound card, follow the expansion slot to the end closest to the outside of the computer. You will find a metal or plastic cover over the part of the computer case where expansion cards' connectors are exposed. A screw usually attaches the slot cover. Remove the slot cover. Save the screw and the slot cover.

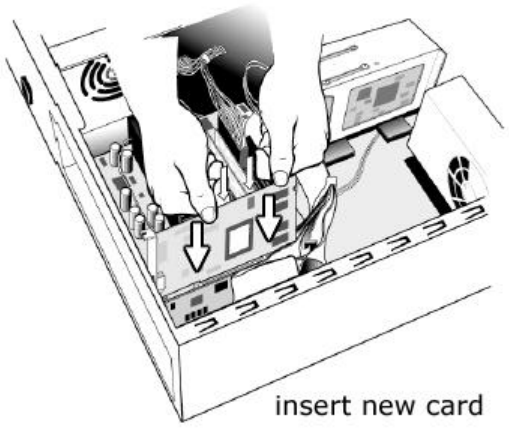


Installing The Typhoon Theatre

Take a moment to familiarize yourself with the Typhoon Theatre PCI audio accelerator. On one long edge, you will notice several small metal connectors in a comb-like "edge connector." This connector fits into the computer's expansion slot. On one short edge is a wide metal bracket with a plug connector on it. This connector faces the outside of the computer, through the slot opening you chose in the previous section. The card fits into an expansion slot only one way. Be careful not to use excessive force, as this may damage your computer or the card.

1	Now remove the Typhoon Theatre PCI audio accelerator from its wrapper.

2	With your fingers on the top edge of the card, place it gently into the expansion slot so that the edge connector rests against the expansion slot. When you are sure the card is in the correct position, gently push it into place. Some expansion slots may be snugger and will require more pressure to seat the edge connector properly into the slot. Some expansion slots may even give an audible "snap" when the card is fully inserted, but make sure not to use excessive force.



3	Once in the slot, secure the audio card by screwing its metal bracket into the computer chassis.

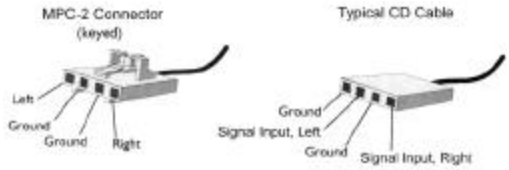
4	Connect your CD-ROM drive output audio connector to the CD input connector found at the top of Typhoon Theatre PCI audio accelerator. See the next section *on installing a CD-ROM Audio Cable* for more information on how to do this.

5	You can now plug your speakers into the Typhoon Theatre PCI audio accelerator. The speaker jack is identified on the bracket as "**Front**" and "**Surround**". • If you have a joystick or midi device, it can be connected to the jack, which is identified on the bracket by "**Midi/Joystick**". • If you have a microphone, it can be connected to the jack, which is identified on the bracket by "**Mic**". • You can also attach an external stereo device to the jack identified on the bracket by "**Line-In**" • You can attach any digital devices that use S/PDIF input to the jack identified on the bracket by "**CEN/LFE or S/PDIF Out**"

Installing The CD-ROM Audio Cable

If you have a CD-ROM installed in your system, then you can install the audio cable that comes with your CD-ROM to the Typhoon Theatre PCI audio accelerator. The cable should interface with all drives that adhere to the MPC-2 (Multimedia PC) standard and have an MPC-2 jack.

Connect the MPC-2 connector to your CD-ROM drive, and then depending on the other end, connect it to either J10, or J11. J10 is for MPC-2 connectors, and J11 is for Mitsumi type connectors. Refer to the following illustration:



Joystick Connector

If you want to connect a joystick to the Typhoon Theatre PCI audio accelerator, the Sound card and drivers must be installed properly. If you want to use the Joystick/MIDI port to connect to an external MIDI controller in Windows 95, you must purchase a MIDI converter cable sold at many retail outlets.

Complete the Installation

At this point, you should replace the computer case cover and secure it with the screws you removed earlier in this procedure. Attach all the cables and power connectors and power up your system.

Driver Installation

Windows XP

For your convenience, we have designed an easy to use driver installation process, which will walk you through the driver installation. You may install drivers automatically using this process or manually using the Add New Hardware Wizard.

Automatic Installation Procedures:

1. If the Add New Hardware Wizard window is up, press the "**Cancel**" button.
2. Insert the I/OMagic Install CD into your CD-Rom. The install program should run automatically.
3. Select the "**Audio Drivers**" option.
4. Select your appropriate operating system.

Note:
If drivers are already installed, an additional box will prompt you to "**Install, Repair, or Uninstall**". If you wish to uninstall the drivers at this time, select the "**Uninstall**" button.

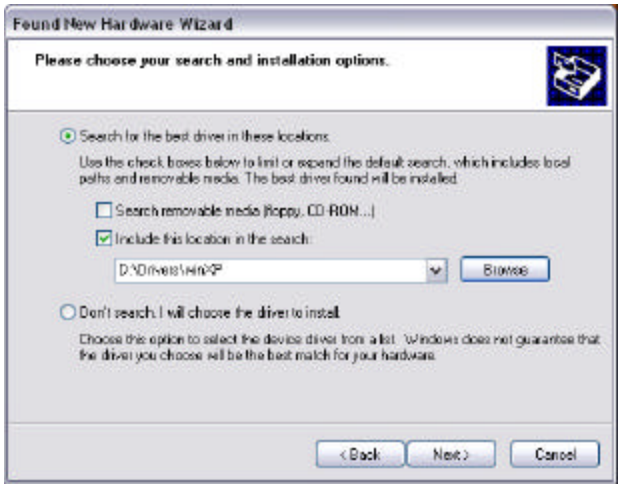
If Windows does not automatically start the install program:

1. Double click on "**My Computer**".
2. Double click on your **CD-ROM** drive.
3. Click on the "**Drivers**" directory
4. Click on the "**WinXP**" directory and run "**Setup.exe**"

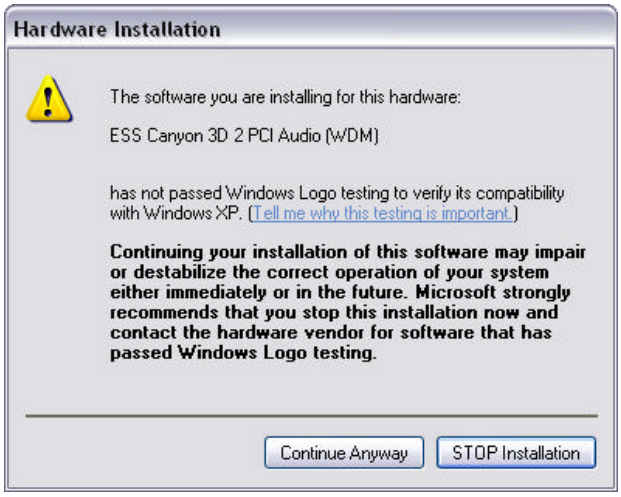
To manually install using the **Add New Hardware Wizard**, please follow the steps on the following page:

1	Power ON your system. When the "**Found New Hardware Wizard**" comes up, select "**Install from a list or specific location**" and click on the "**Next**" button.

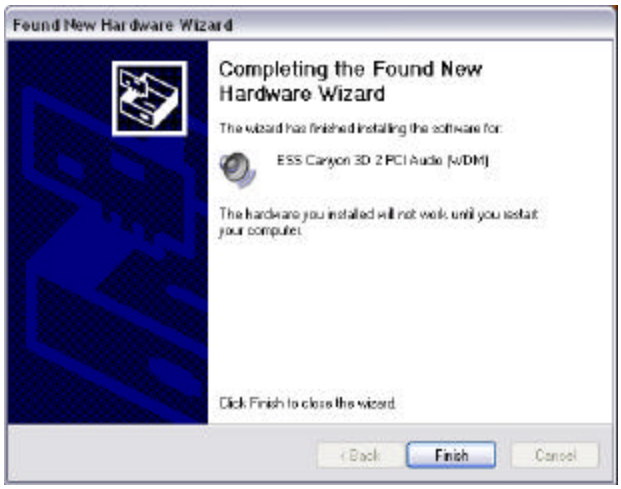
2	Insert the Storm Surge driver CD into your CD-ROM drive. Select "**Search for the best driver**" and hit the "'**Browse**" button. Browse to "**D:\Drivers\WinXP**" where "**D**" is your CD-ROM drive, and hit the "**Next**" button.



3	If you get a "**Windows Logo Testing**" dialog box, just press "**Continue Anyway**" to continue



4	Once done installing the drivers, press the "**Finish**" button to finish your installation, and **restart** your computer.



5	Check to make sure everything is installed correctly. Go to "**Control Panel**" and select "**System**". Select "**Hardware**" and select "**Device Manager**" Click on the "**+**" sign next to "**Sound Video and Game Controllers**" and make sure there is an "**ESS Canyon 3D 2**" device listed below.

Windows 2000

For your convenience, we have designed an easy to use driver installation process, which will walk you through the driver installation. You may install drivers automatically using this process or manually using the Add New Hardware Wizard.

Automatic Installation Procedures:

5. If the Add New Hardware Wizard window is up, press the "**Cancel**" button.
6. Insert the I/OMagic Install CD into your CD-Rom. The install program should run automatically.
7. Select the "**Audio Drivers**" option.
8. Select your appropriate operating system.

Note:
If drivers are already installed, an additional box will prompt you to "**Install, Repair, or Uninstall**". If you wish to uninstall the drivers at this time, select the "**Uninstall**" button.

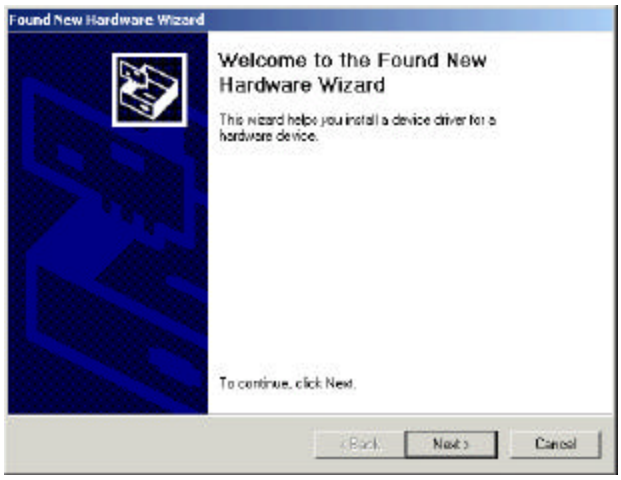
If Windows does not automatically start the install program:

5. Double click on "**My Computer**".
6. Double click on your **CD-ROM** drive.
7. Click on the "**Drivers**" directory
8. Click on the "**Win2000**" directory and run "**Setup.exe**"

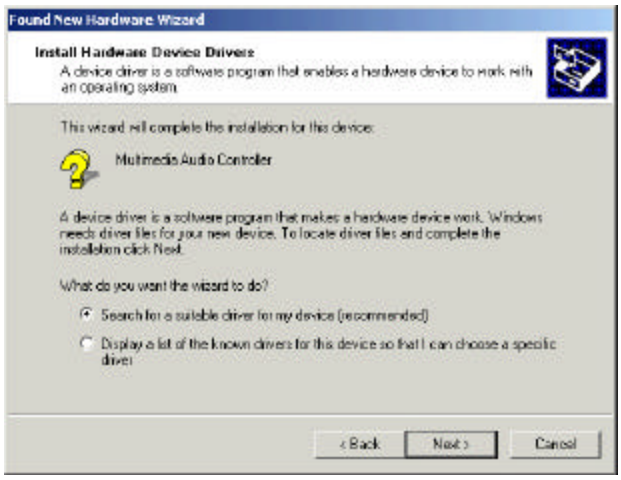
To manually install using the **Add New Hardware Wizard**, please follow the steps on the following page:

1	Power ON your System.

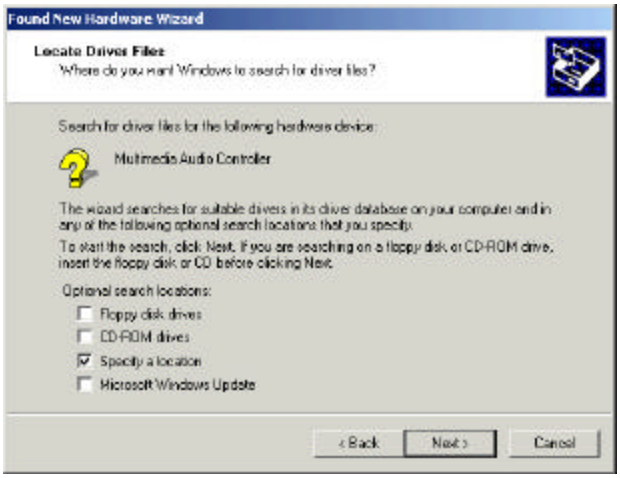
2	During the load process, the "**Add New Hardware Wizard**" should detect "**PCI Multimedia Audio Device**". Select "**Specify the location**" and click on the "**Next**" button.



3	Insert the ThunderSound Echo driver CD into your CD-ROM drive. Select "**Search for a suitable drive**" and hit the "**Next**" button.

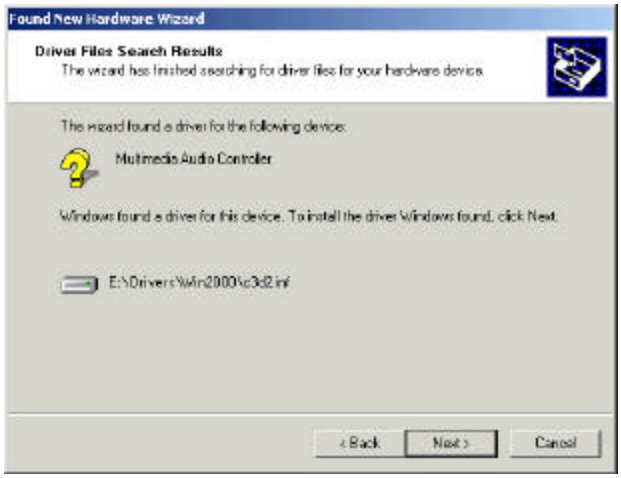


4	Select the "**Specify a location**" option and press "**Next**".

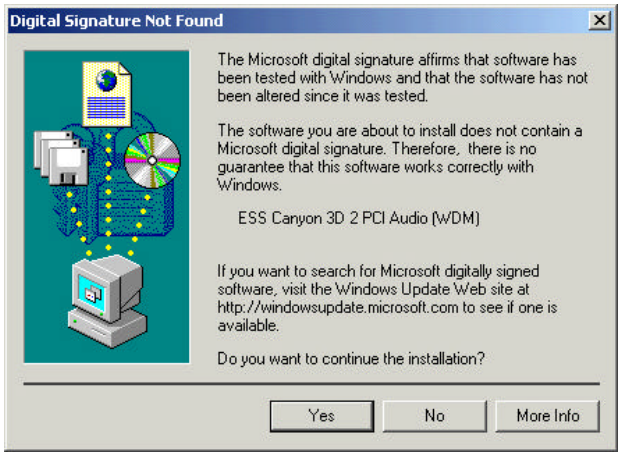


5	Hit the "'**Browse**" button and browse to "**E:\Drivers\Win2000**" where "**E**" is your CD-ROM drive, and hit the "**Next**" button.

6	Windows should find "**Multimedia Audio Controller**". Hit "**Next**" to continue.



7	If you get a "**Digital Signature Not Found**" dialog box, just press "**Yes**" to continue



8	Once done installing the drivers, press the "**Finish**" button to finish your installation, and **restart** your computer.

9	Check to make sure everything is installed correctly. Go to "**Control Panel**" and select "**System**". Select "**Hardware**" and select "**Device Manager**" Click on the "**+**" sign next to "**Sound Video and Game Controllers**" and make sure there is an "**ESS Canyon 3D 2**" device listed below.

Windows Me

For your convenience, we have designed an easy to use driver installation process, which will walk you through the driver installation. You may install drivers automatically using this process or manually using the Add New Hardware Wizard.

Automatic Installation Procedures:

9. If the Add New Hardware Wizard window is up, press the "**Cancel**" button.
10. Insert the I/OMagic Install CD into your CD-Rom. The install program should run automatically.
11. Select the "**Audio Drivers**" option.
12. Select your appropriate operating system.

Note:
If drivers are already installed, an additional box will prompt you to "**Install, Repair, or Uninstall**". If you wish to uninstall the drivers at this time, select the "**Uninstall**" button.

If Windows does not automatically start the install program:

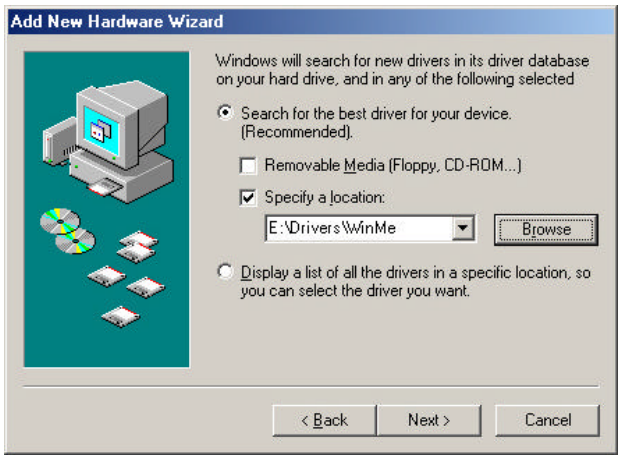
9. Double click on "**My Computer**".
10. Double click on your **CD-ROM** drive.
11. Click on the "**Drivers**" directory
12. Click on the "**WinMe**" directory and run "**Setup.exe**"

To manually install using the **Add New Hardware Wizard**, please follow the steps on the following page:

1	Power ON your System.

2	The "**Add New Hardware Wizard**" should detect "**PCI Multimedia Audio Device**". Select "**Specify the location**" and click on "**Next**".

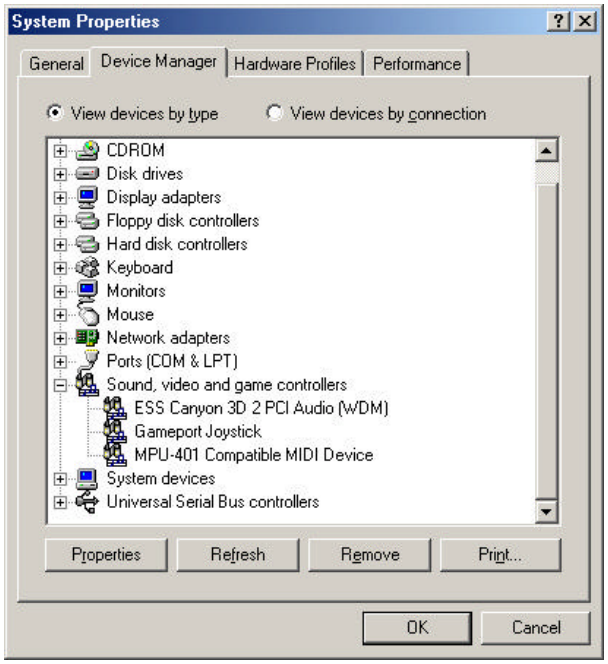
3	Insert the ThunderSound Echo driver CD into your CD-ROM drive. Select "**Search for the best driver for your device**" and also "**Specify a location**". Hit the "'**Browse**" button and browse to "**E:\Drivers\WinMe**" where "**E**" is your CD-ROM drive, and hit the "**Next**" button



4	After the install program finds the correct drivers, Click on the "**Next**" button to begin installation.

5	Once done installing the drivers, press the "**Finish**" button to finish your installation, and **restart** your computer.

6	Check "**Device Manager**" to make sure everything is installed correctly. Click on "**Sound Video and Game Controllers**" and make sure there is an "**ESS Canyon 3D 2**" device listed below.



Windows 98

For your convenience, we have designed an easy to use driver installation process, which will walk you through the driver installation. You may install drivers automatically using this process or manually using the Add New Hardware Wizard.

Automatic Installation Procedures:

13. If the Add New Hardware Wizard window is up, press the "**Cancel**" button.
14. Insert the I/OMagic Install CD into your CD-Rom. The install program should run automatically.
15. Select the "**Audio Drivers**" option.
16. Select your appropriate operating system.

Note:
If drivers are already installed, an additional box will prompt you to "**Install, Repair, or Uninstall**". If you wish to uninstall the drivers at this time, select the "**Uninstall**" button.

If Windows does not automatically start the install program:

13. Double click on "**My Computer**".
14. Double click on your **CD-ROM** drive.
15. Click on the "**Drivers**" directory
16. Click on the "**Win98**" directory and run "**Setup.exe**"

To manually install using the **Add New Hardware Wizard**, please follow the steps on the following page:

1	Power ON your System.

2	During the load process, the "**Add New Hardware Wizard**" should detect "**PCI Multimedia Audio Device**". Click on the "**Next**" button.

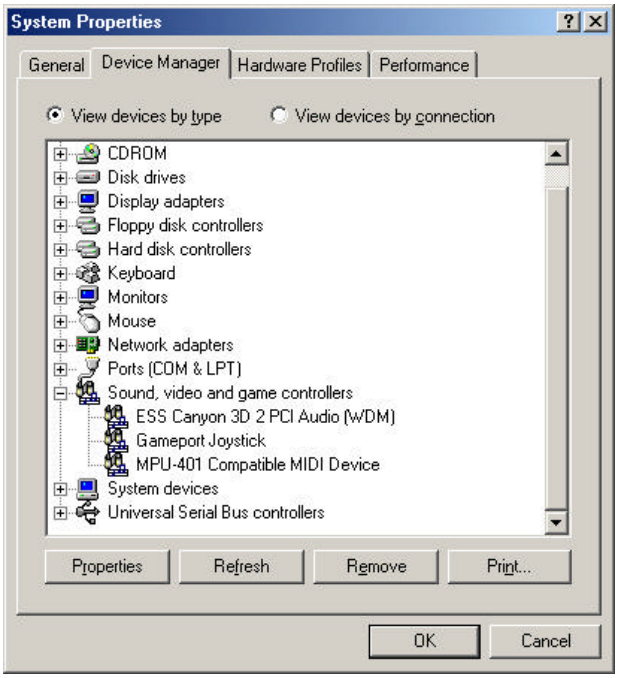
3	Insert the ThunderSound Echo driver CD into your CD-ROM drive. Select "**Search for a better driver**" and press "**Next**"

4	Select the "**Specify a location**" option. Hit the "'**Browse**" button and browse to "**E:\Drivers\Win98**" where "**E**" is your CD-ROM Drive. Make sure everything else is unchecked and then hit the "**Next**" button.

5	After the install program finds the correct drivers, Click on the "**Next**" button to begin installation.

6	Once done installing the drivers, press the "**Finish**" button to finish your installation, and **restart** your computer.

7	Check "**Device Manager**" to make sure everything is installed correctly. Click on "**Sound Video and Game Controllers**" and make sure there is an "**ESS Canyon 3D 2**" device listed below.



Windows 95

For your convenience, we have designed an easy to use driver installation process, which will walk you through the driver installation. You may install drivers automatically using this process or manually using the Add New Hardware Wizard.

Automatic Installation Procedures:

17. If the Add New Hardware Wizard window is up, press the "**Cancel**" button.
18. Insert the I/OMagic Install CD into your CD-Rom. The install program should run automatically.
19. Select the "**Audio Drivers**" option.
20. Select your appropriate operating system.

Note:
If drivers are already installed, an additional box will prompt you to "**Install, Repair, or Uninstall**". If you wish to uninstall the drivers at this time, select the "**Uninstall**" button.

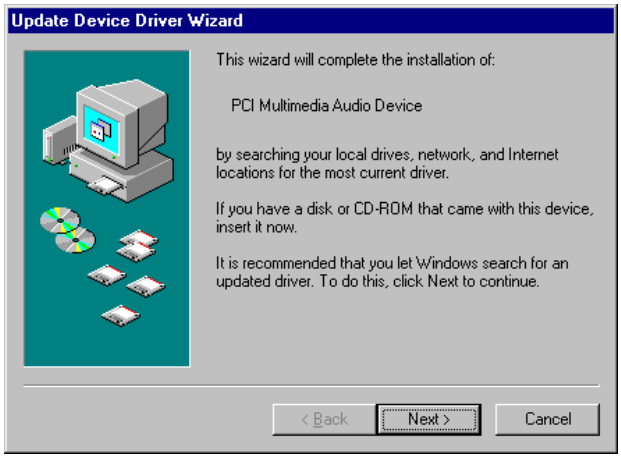
If Windows does not automatically start the install program:

17. Double click on "**My Computer**".
18. Double click on your **CD-ROM** drive.
19. Click on the "**Drivers**" directory
20. Click on the "**Win95**" directory and run "**Setup.exe**"

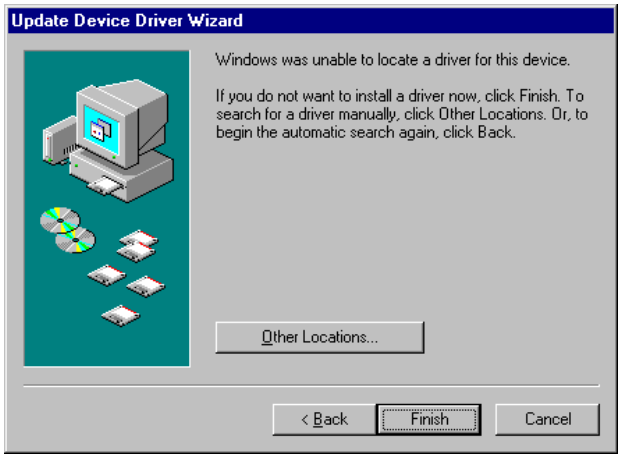
To manually install using the **Add New Hardware Wizard**, please follow the steps on the following page:

1	Power ON your System.

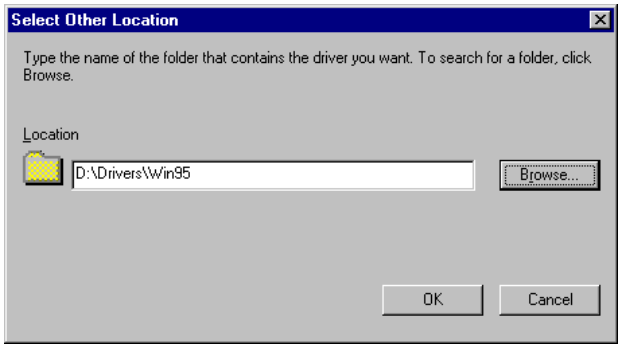
2	During the load process, the "**Add New Hardware Wizard**" should detect "**PCI Multimedia Audio Device**". Click on the "**Next**" button.



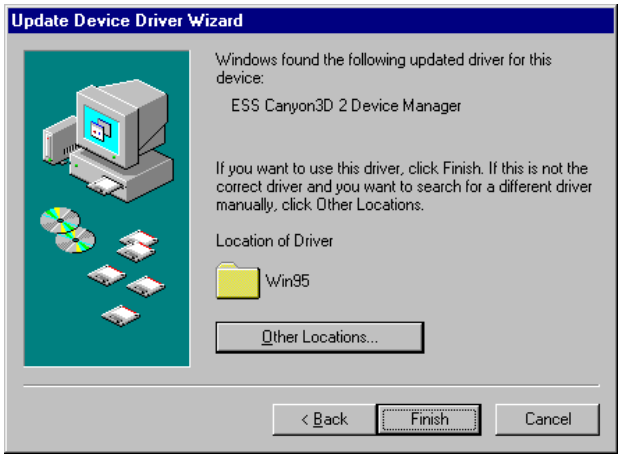
3	Insert the ThunderSound Echo driver CD into your CD-ROM drive. Click on "**Other Locations**" when the window appears.



4	Select the "**Browse**" option. Hit the "'**Browse**" button and browse to "**D:\Drivers\Win95**" where "**D**" is your CD-ROM Drive.



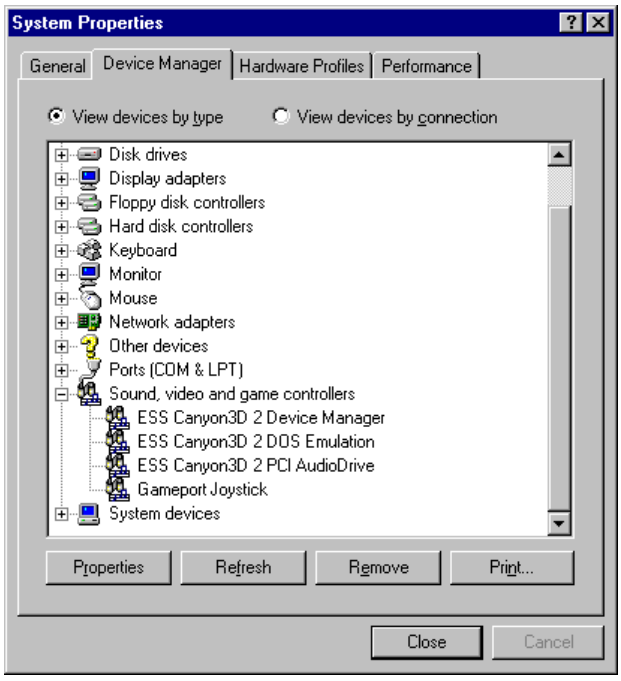
5	After the install program finds the correct drivers, Click on the "**Finish**" button to begin installation.



6	Windows may encounter an error during installation. Press "**OK**" to continue.

6	Click "**Browse**" and browse to "**D:\Drivers\Win95**" where "**D**" is your CD-ROM drive.

7	Check "**Device Manager**" to make sure everything is installed correctly. Click on "**Control Panel**", "**System**" and select "**Device Manager**". Then click on "**Sound Video and Game Controllers**" and make sure there are "**ESS Canyon 3D 2**" devices listed below.



Windows NT

For your convenience, we have designed an easy to use driver installation process, which will walk you through the driver installation. You may install drivers automatically using this process or manually using the Add New Hardware Wizard.

Automatic Installation Procedures:

21. If the Add New Hardware Wizard window is up, press the "**Cancel**" button.
22. Insert the I/OMagic Install CD into your CD-Rom. The install program should run automatically.
23. Select the "**Audio Drivers**" option.
24. Select your appropriate operating system.

Note:
If drivers are already installed, an additional box will prompt you to "**Install, Repair, or Uninstall**". If you wish to uninstall the drivers at this time, select the "**Uninstall**" button.

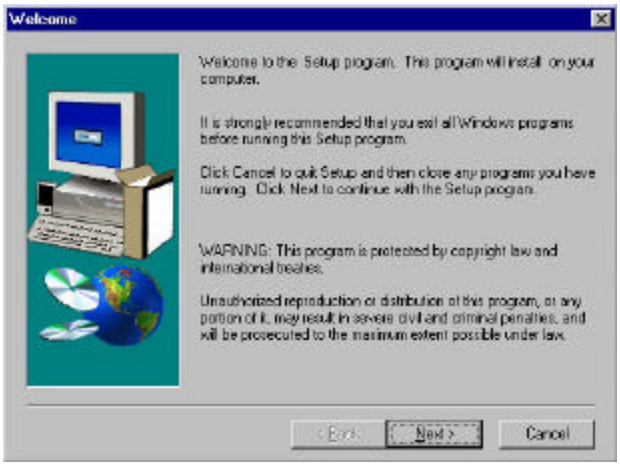
If Windows does not automatically start the install program:

21. Double click on "**My Computer**".
22. Double click on your **CD-ROM** drive.
23. Click on the "**Drivers**" directory
24. Click on the "**WinNT**" directory and run "**Setup.exe**"

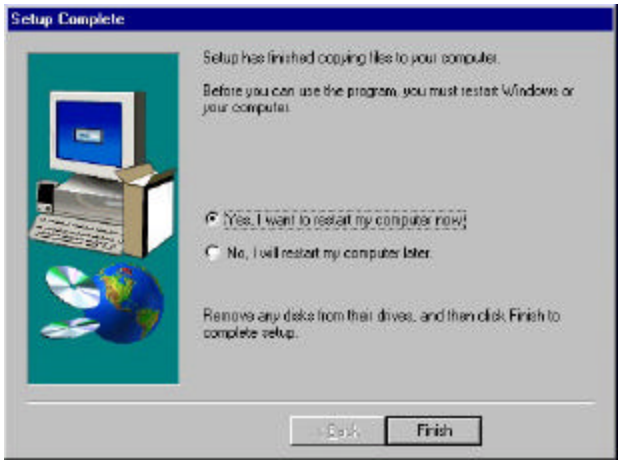
To manually install using the **Add New Hardware Wizard**, please follow the steps on the following page:

1	Power ON your System.

2	Insert the ThunderSound Echo driver CD into your CD-ROM drive. Open the "**Drivers \ WinNT**" folder from your CD-ROM root directory and run "**Setup.exe**". A setup dialog box should appear. Press "**Next**" to begin driver installation.

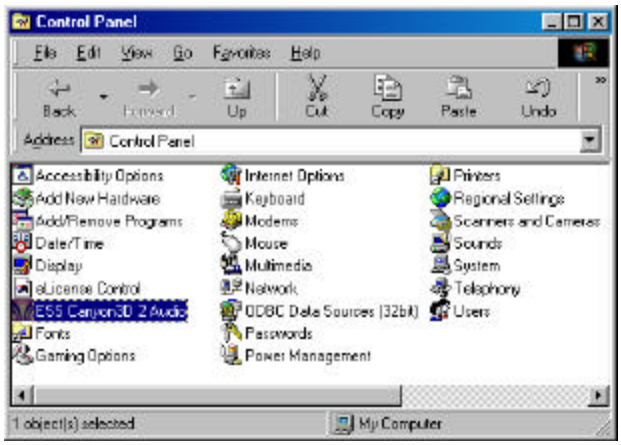


2	Once done installing the drivers, press the "**Finish**" button to finish your installation, and **restart** your computer.



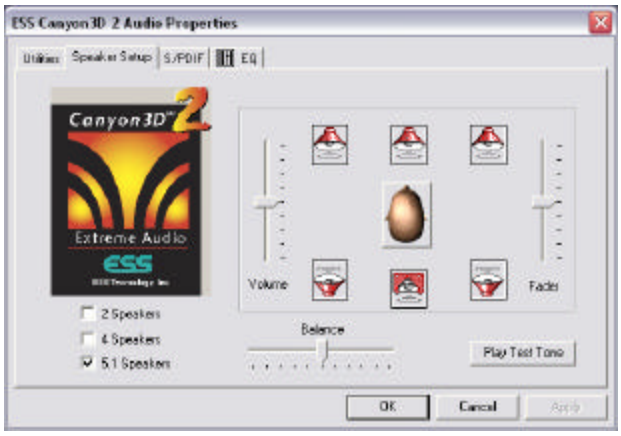
Audio Functions

Your new Typhoon Theatre audio accelerator has special features that enable it to deliver world-class sounds right from your PC.. You can adjust the settings using on the bottom right hand corner of your taskbar. Notice there is a red audio speaker icon next to your normal yellow speaker icon. Or you can also adjust these properties using the ESS Canyon 3D Audio settings under the Control Panel Double clicking on this will bring up the ESS Canyon 3D 2 audio properties box:



From here, you can adjust your audio preferences including sound properties, recording properties, and your multimedia properties.

Clicking on the **Speaker Setup** tab will bring up the speaker settings box: This box allows you to adjust from 2, 4, or 5.1 speaker setup, set the volume, fader, and balance settings, and to play test tones using 5.1 speakers.



Select the **S/PDIF tab** to bring up the S/PDIF options box. This box allows you to enable or disable the S/PDIF port found on your sound card. This allows you to hook up home audio equipment, which has S/PDIF options. S/PDIF (Sony/Philips Digital Interface) is a standard audio transfer file format. It is usually found on digital audio equipment such as a DAT machine or audio processing device. It allows the transfer of audio from one file to another without the conversion to and from an analog format, which could degrade the signal quality.

(**Note:** Click this option to enable Center Channel out or S/PDIF out)

Select the EQ tab to bring up the Digital Equalizer box. This box allows you to adjust your sound qualities using the Digital Equalizer. You can also save and load desired equalizer profiles from the pull down menu

Software Installation

We have bundled the following software with your Typhoon Theatre PCI audio accelerator to take full advantage of your new multimedia capabilities.

I/OMagic does not manufacture the bundled software. If you require further assistance, please refer to the software's documentation and manufacturer's website for additional help and information.

Power DVD

PowerDVD is a high-quality, pure-software DVD (Digital Versatile Disc) player that brings high-quality movies and karaoke into your multimedia PC. Using PowerDVD, you can playback high-resolution DVD titles or MPEG-2 files with superb MPEG-2 video and Dolby AC-3 audio quality. Moreover, PowerDVD offers a complete set of navigation commands, which fully support not only basic operations (such as play, fast forward, fast backward, stop and pause), but also those advanced features such as multi-angle viewing, multi-language and multi-subtitle selection, and even parental control. With PowerDVD and

its high-quality audio/video performance on Pentium II processor-based PCs, no more hardware DVD decoder boards are required, saving users significant hardware costs. With these great advantages, PowerDVD is acknowledged as most suitable for home entertainment. From now on, you can easily enjoy DVD titles in high-resolution display directly from their multimedia PC.

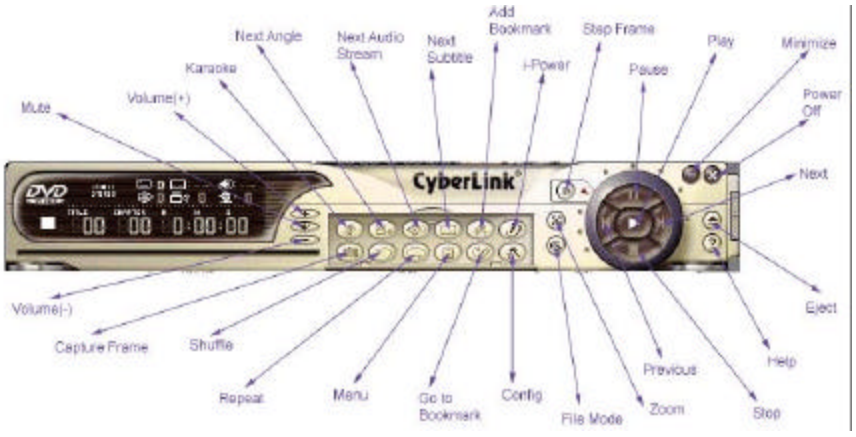
PowerDVD also takes into consideration that some sophisticated display chips are now equipped with certain hardware component for accelerating Motion Compensation, an important MPEG decoding operation, or better with IDCT, still another hardware-accelerating component. And, as we know, PowerDVD will automatically detect the existence of such display chip to utilize the embedded MPEG acceleration engine.

Utilizing an improved Cyberlink/Dolby Digital decoder, PowerDVD meets the highest audio quality requirements for 2/4/6 speakers. PowerDVD has added a Dolby ProLogic decoder so you can enjoy the amazing benefits of Dolby Surround Sound technology with the use of your Typhoon Theatre PCI audio accelerator.

To install PowerDVD:

1. Insert the Power DVD installation CD into your CD-ROM drive.
2. The CD will automatically run and the installation program will guide you through the entire installation process.
3. Enter the serial number when asked for it **(Serial Number located on the Power DVD CD sleeve)**.
4. Reboot your computer at the end of the installation.

PowerDVD interface



PowerDVD presents you with a User Interface (UI) design as simple and friendly as your home VCR (Video Cassette Recorder). Along with its detailed yet clear design of the status display panel, it is very easy for users to comprehend and use each button.

To Playback DVD Titles:

1. To play back DVD titles, first make sure that CD Mode is currently on (File Mode button). If MPEG File Mode is the current mode, just click on the File Mode button to toggle to CD Mode.
2. Press the Play button to start playback.

To Playback MPEG Files:

1. To playback MPEG files, first make sure that File Mode is currently on. If CD Mode is the current mode, just click on the button to toggle to MPEG File Mode.
2. Press the Menu button. The Play List will appear, which allows you to select MPEG files for playback.
3. After files are selected, press the OK button, and a video window will appear. PowerDVD will start to play the first MPEG file on the Play List.

Express Menu

Express Menu has been a feature PowerDVD users found both convenient and expedient for a rich repertoire of control actions.

To access the Express Menu, all you have to is simply click on the right button of the mouse while its cursor is anywhere on the video window, And immediately, you will see the express menu.

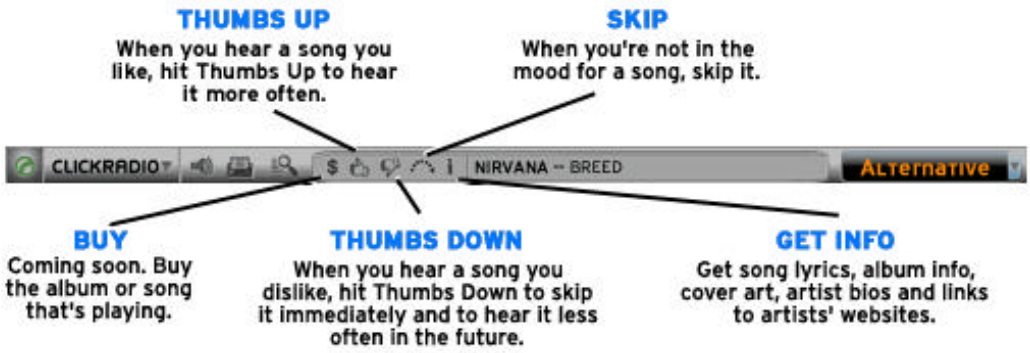
Via this Express Menu, you can easily perform a rich set of control actions such as play, stop, pause, jump to previous or next chapter, or go to any chapter, plus other fantastic control features such as fast-forward playing, Video Window zooming and sizing. Thus while enjoying your DVD, you no longer have to click on the video window to invoke the standard PowerDVD User Interface for those control operations. The Express Menu is such a handy feature for continuous watching without interruptions that you'll find it one of the most considerate features of PowerDVD.

Getting additional help

You will find most of the information you need to use PowerDVD within its help menu. Select **Help Topics** from the Help menu to get started. Additional information can be found at: http://www.cyberlink-usa.com

ClickRadio

ClickRadio is the next evolution in radio and the newest and best way to listen to great music on your computer offline and online. ClickRadio delivers the CD-quality music you want, and to personalize your stations, you can tell ClickRadio what you think about the music it plays. Additional information can be found at: http://www.clickradio.com



To install ClickRadio:

1. Insert the audio driver CD into your CD-ROM drive.
2. The CD will automatically run. Choose "**FreeSoftware**" and select "**ClickRadio**" from the list.

To install manually:

1. Click on "**My Computer**" and double click on your CD-ROM drive.
2. Choose the "**FreeSoftware**" directory and select the "**ClickRadio**" subdirectory.
3. Double click on "**setup.exe**" to begin installation.

Getting additional help

Additional information and support for this product can be found at http://www.ClickRadio.com

Gamespy Arcade

GameSpy Arcade is the next-generation gaming environment. With Arcade, you can join thousands of users playing hundreds of the hottest online multiplayer games around. Arcade makes setting up and joining games as easy as navigating a Web site, and you can also download the latest demos, chat with friends and keep track of your buddies.

To install GameSpy Arcade:

1. Insert the audio driver CD into your CD-ROM drive.
2. The CD will automatically run. Choose "**FreeSoftware**" and select "**Gamespy Arcade**" from the list.

To install manually:

1. Click on the "**My Computer**" and double click on your CD-ROM drive.
2. Choose the "**FreeSoftware**" directory
3. Double click on "**arcadeinstalliomagic.exe**" to begin installation.

Getting additional help
Additional information and support for this product can be found at http://www.gamespy.com

AtomixMP3

Atomixmp3 is an MP3-mixing tool that lets you mix on a computer as you would with DJ turntables. With drag-and-drop functionality, the simulated turntables feature pitch control, cross fader, play list functionality, and visual beat representation. Atomixmp3 also features a real-time, BPM-matching algorithm, and can perform automatic beat matching in just one click. In addition, this program is completely skinnable and supports Winamp DSP plug-ins. Users can record to WAV files that are ready to burn onto CDs.

To install AtomixMP3:

1. Insert the audio driver CD into your CD-ROM drive.
2. The CD will automatically run. Choose "**FreeSoftware**" and select "**Atomix Mp3**" from the list.

To install manually:

1. Click on the "**My Computer**" and double click on your CD-ROM drive.
2. Choose the "**FreeSoftware**" directory
3. Double click on "**atomixmp3.exe**" to begin installation.

Getting additional help
Additional information and support for this product can be found at http://www.atomixmp3.com

PCDJ

The PCDJ Broadcaster is a unique dual-channel player that plays all formats of compressed digital media: MP3, Microsoft's WMA, streaming MP3 (M3U), PLS, and more. You can import a Winamp play list directly into PCDJ Broadcaster. It can play two files at once, allowing you to create your own mix with professional cross-fade and mix controls. It lets you organize all your multimedia files (music and videos) in a "record case" you can set up by artist, type, or BPM. You can mix your own soundtrack and make your own unique audio/video mix and much more. Additional information can be found at: http://www.pcdj.com

To install PCDJ:

1. Insert the audio driver CD into your CD-ROM drive.
2. The CD will automatically run. Choose "**FreeSoftware**" and select "**PCDJ**" from the list.

To install manually:

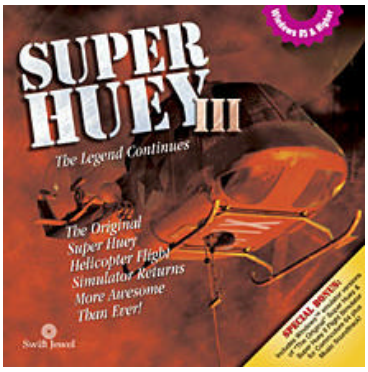
1. Click on the "**My Computer**" and double click on your CD-ROM drive.
2. Choose the "**FreeSoftware**" directory
3. Double click on "**pcdjcd30737.exe**" to begin installation.

Getting additional help
Additional information and support for this product can be found at http://www.pcdj.com

Cosmi Games

The world's favorite budget games returns for the PC. Classics for the Commodore 64 return better then ever.

Super Huey 3
The UH-IXb is a new, experimental high performance helicopter utilizing the latest in electronic control systems and stabilization. Features include a state-of-the-art electronic instrument console; an on-board computer that regulates and monitors ships' systems as well as providing enemy location and monitoring the weapons systems; automatic pitch control and engine power linkage for RPM equilibrium including synchronization of anti-torque pitch. Also employs a new VLW (very light weight) piston engine molded with super-strength, super-light material, still classified by the military, which rivals the weight/thrust ratio of most turbo-shaft engines. Mounted vertically, the engine is coupled to the main rotor shaft through a custom/direct drive transmission system with a 10 to 1 reduction ratio. The UH-1X represents a step in a new direction in helicopter flight design and control. See your Huey dealer and test fly one soon. In the meantime, prepare yourself with the Super Huey Combat Simulator from Cosmi, Inc. **(Note: this game is only for Win9x and WinMe only)**



To install Super Huey:

1. Insert the audio driver CD into your CD-ROM drive.
2. The CD will automatically run. Choose "**FreeSoftware**" and select "**Cosmi**" from the list. Then select "**Super Huey**" to install.

To install manually:

1. Click on the "**My Computer**" and double click on your CD-ROM drive.
2. Choose the "**FreeSoftware**" directory, and select the "**Cosmi**" subdirectory.
3. Double click on "**SuperHuey3.exe**" to begin installation.

The Forbidden Forest

The Forbidden Forest is a place on this world ... but certainly not *of* this world. It is a place of unrelenting terror and trial. The dreaded Demogorgon - demonic king of the monsters, rules it. He will send his horde of grisly creatures against anyone who dares enter his realm. And if by some miracle, or your own skill, you should vanquish his army, you will have to face the Demogorgon himself, disguised as a giant owl. A word of encouragement, no one has ever returned from the Forbidden Forest alive!

To install Forbidden Forest:

1. Insert the audio driver CD into your CD-ROM drive.
2. The CD will automatically run. Choose "**FreeSoftware**" and select "**Cosmi**" from the list. Then select "**Forbidden Forest**" to install.

To install manually:

1. Click on the "**My Computer**" and double click on your CD-ROM drive.
2. Choose the "**FreeSoftware**" directory, and select the "**Cosmi**" subdirectory.
3. Double click on "**ForbiddenForest.exe**" to begin installation.

Getting additional help

Additional information and support for this product can be found at http://www.cosmi.com

Yamaha SoftSynthesizer S-YXG50

Yamaha SoftSynthesizer is a virtual instrument designed to play MIDI music on a personal computer through software alone without using a hardware sound source such as a sound card. (**Note: for WinNT/2000 users, only the Yamaha player software will be installed**)

To install on a Win9x/Me system:

1. Click on the "**My Computer**" and double click on your CD-ROM drive.
2. Choose the "**FreeSoftware**" directory, and click on the "**S-yxg50**" subdirectory.
3. Open up the "**Win9x**" Directory and run "**Setup.exe**"

To install on a WinNT/2000 system:

1. Click on the "**My Computer**" and double click on your CD-ROM drive.
2. Choose the "**FreeSoftware**" directory, and click on the "**S-yxg50**" subdirectory.
3. Open up the "**Nt40**" directory and open the "**disk1**" subdirectory. Then run "**Setup.exe**"

Getting additional help
Additional information and support for this product can be found at http://www.yamaha-xg.com/

Troubleshooting

The following section describes common problems you may encounter, along with some suggestions for resolving them.

I do not get sound during normal usage.

a. Audio accessories improperly connected. Check all audio accessories are plugged into the proper connectors.
b. Volume adjustment. Make sure that the volume control is not set too low. Check the Device Manager

My sound card works but I cannot record with my microphone. What can I do to make it work? (Windows 95/98)

Follow these steps:

1. Click on the Start button > Programs > Accessories > Entertainment then Volume Controls. If you have Windows 95, click on Multimedia instead of Entertainment.
2. Click on Options then Properties.
3. Under "Adjust volume for" click on Recording and check all the boxes at the bottom and click on the OK button.
4. Make sure Microphone has a check mark on "selected" and the volume control is at least half way.
5. Click on Options then Properties and this time check "Playback". Make sure the box for Microphone is check and click on the OK button.
6. If you have a box on the Microphone volume control for "Advance", click on it and check the 20db Mic Gain and close the window.
7. At this point you should be able to record with the Sound recorder.
8. If you still can not record, Make sure you are connecting the Mic in the right connector on the sound card and that you have a working Stereo Mic. (Stereo Mic's have 2 plastic rings around the Mic's jack. If you only have one ring (Mono Mic) then pull the Mic's jack out halfway from the card to see if that works.)

I do not get any visual activity on the Volume Meter.

a. DMA channel conflict. Check that no audio accessories are attempting to use the same DMA channels, and change DMA channels accordingly. Check this by viewing the properties of the audio device(s) in the Control Panel - System -Device Manager - Sound, Video & Game Controllers - Properties - Resources.
b. The driver is removed. Install the driver again.

No sound or receive error messages during Windows starts.

a. Another Sound Card driver is installed. If you install more than one sound driver in windows**,** a conflict may arise. To solve this problem, you should remove all unnecessary drivers, and reinstall the Typhoon Theatre drivers. (Sound card drivers are usually stored in the "system" folder (a sub-directory of the "windows" or "win95" folder).
b. The Typhoon Theatre driver is removed. Install the driver again.

No sound in Windows 95.

a. Configuration problem. You should check the configuration by viewing the "properties" & "resources" of the sound card drivers (and other possible conflict item drivers) in Control Panel - System - Device Manager. See if all the drivers and utilities are working correctly, and reset any if necessary.
b. Either the not enabled motherboard does not support PnP function or the PnP option of the motherboard's BIOS is. To clarify these, please contact your motherboard dealer or sales representative.

Does the Typhoon Theatre come with a controller for my CD-ROM?

No, there is no CD-ROM ribbon-cable interface on the Typhoon Theatre. However, you may be able to use one of the following devices to control your CD-ROM drive, depending on the type of interface:

- The IDE or proprietary interface on your existing legacy sound card.
- The IDE interface built into your PC's motherboard.
- An IDE controller card.

My sound card works but I do not hear anything when I play audio CD's, How do I make it work?

The audio from a CD is transmitted from the CD-ROM to the sound card through the "Analog cable" (3-4 Small wire cable). Make sure this cable is connected to the sound card in the right place. Connect the Analog cable from the CD-ROM to the J6 connector on the sound card. The cable can go on both ways, so if it does not work one way, rotate it around and it will work.

Why am I not getting CD Audio, Microphone or Windows sound?

Windows Volume Controls are defaulted to off when the Typhoon Theatre is installed. Double click on the yellow speaker on the bottom right of the task Bar. Adjust the volume controls accordingly. To hear sound from the

preferred device, make sure the Select Box is checked. If the preferred device is not listed, go to Options then Properties, and check the device listed under "Show the following volume controls", then click OK. To Record, repeat the previous steps but select Recording after the Options properties.

Why do I get distortion when recording from the Microphone, Line, CD or AUX Inputs?

The recording level may be set too high. For best results, we recommend setting the recording level to minimum using the Typhoon Theatre System Mixer. If you still experience distortion, check the input device and cables. If the input device (recording source) has an output level control, try turning it down.

Why do I hear background noise through my speakers and/or headphones?

The typical PC enclosure is an electrically noisy environment. Typhoon Theatre has been shielded to reduce the effect of system noise. However, some systems and/or peripherals (hard disks, CD-ROM drives, etc.) are noisier than others. If you experience system noise, make sure the chassis screws are securely tightened on all add-in cards, and that all cables are of good quality and securely fastened.

I have a red "X" symbol (or a yellow exclamation mark) on one of my Multimedia Sound driver components in the Windows 95/98 Device Manager. How can I eliminate this?

1. Click on Start, and then navigate to Settings.
2. Select Control Panel.
3. Double-click on the System icon.
4. Click on the Device Manager tab.
5. Highlight the Device that has the red "X" symbol (or yellow exclamation mark).
6. Click on Properties.
7. Check the "Device Status" box for a description of the problem.
8. Follow the dialog instructions. You may have to find a different IRQ or DMA address for the sound card, or it may conflict with one of your onboard devices. In this case, click on resources, and adjust the settings for the conflicting device.
9. Click OK and restart the computer

How do I know if my sound card is properly configured in Windows 95/98?
Click on Start, and then navigate to Settings. Select Control Panel. Double-click on the Multimedia icon and navigate to the Audio property page. Make sure that Typhoon Theatre (ESS Canyon3D2) is selected as the preferred Playback and Recording device.

I can only get sound from 2 speakers, NOT from all 5.
Check to make sure all your cables are hooked up and nothing is loose. Also check to make sure you have 5.1 speakers option enabled under the ESS Canyon3D 2 audio properties box.

1. Open My Computer and select Control Panel.
2. Select the ESS Canyon3D 2 Audio icon
3. Click on the Speaker Setup tab from the top row of tabs
4. Put a check on the "**5.1 speakers**" option.

How do I change from 2-speaker setup to 5.1-speaker setup?
Check to make sure you have 5.1 speakers enabled under the Audio Properties setting. To check:

1. Click on "**Start**", "**Settings**", and select "**Control Panel**".
2. Double click on the "**ESS Canyon3D 2 Audio**" icon.
3. It should bring up a window called "**ESS Canyon3D 2 Audio Properties**".
4. Select the "**Speaker Setup**" tab and enable 2 or 5.1 speaker setup.

How come I don't get sounds from all 5.1 speakers through some of my music software?
This occurs not because of your soundcard, but actually from your music software. Some software do not have the option to play 5.1 speaker setup. We recommend using Windows Media Player to play your sound/mp3 files to take full advantage of the Typhoon Theatre's capabilities.

Does Win95 and WinNT support 4 channel speakers?
Unfortunately, the Windows 95 and the Windows NT operating system do not support 4-channel speaker setup. This is a limitation of the Operating System itself and not the sound card.

Limited Warranty

Hardware Limited Warranty

This product is warranted to be free from failures due to defects in material and workmanship for one year from the date of original purchase as evidenced by a copy of the purchase receipt. During the warranty period, **I/OMagic** at its sole discretion will repair or replace at no charge, the product that, in its opinion, is defective. The original purchaser is responsible for packing the product for shipment and for the charges to ship the failed product.

If the failed product has been modified in any way without the consent of **I/OMagic** or if the failure is the result of misuse, abuse, or misapplication, **I/OMagic** has no obligation to repair or replace the failed product.

Except as expressly provided above, the hardware and accompanying written materials (including the Users Guide) are provided as is without warranty of any kind including the implied warranties of merchantability and fitness for a particular purpose. The specifically does not warrant the operation of the hardware and will not be liable for any direct, indirect, consequential or incidental damages arising out of the use or inability to use such product even if has been advised of the possibility of such damages. Some states do not allow the exclusion or incidental damage, so the above limitation may not apply.

Contacting I/OMagic

If you experience problems with this I/OMagic product and you cannot find an answer in the previous troubleshooting sections, you can contact I/OMagic's Technical Support Staff. Please have the following information ready when you call:

- The name of the product you are having problems with.
- The operating system and processor (CPU) you are using.
- A detailed description of the problem.

You can contact I/OMagic's Technical Support staff at the following numbers:

- Phone: **(714) 953-0675** (M-F 8:00AM – 5:00PM PST)
- Internet: **http://www.iomagic.com** (Go to the technical support section and fill out support form.)

Register Your I/OMagic Product

Please take the time to send in your registration card. The serial number of your drive is located on the top of the drive itself. The series of numbers under the bar code is the serial number.

- Go to **http://www.iomagic.com** and click on the "**register**" button.

This is actually the fastest way to receive the latest I/OMagic product information and updates. Again, we would like to thank you for buying I/OMagic products.